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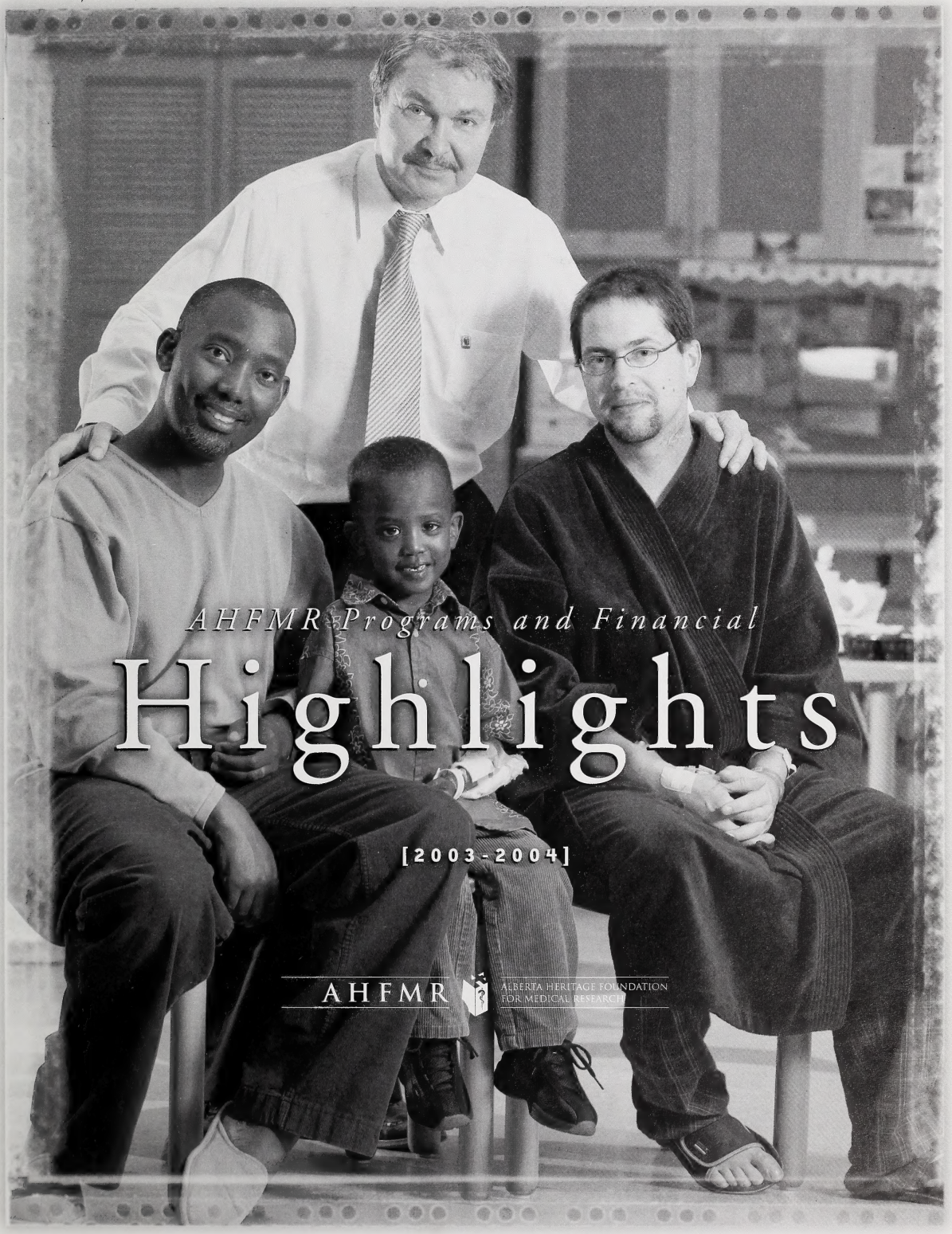


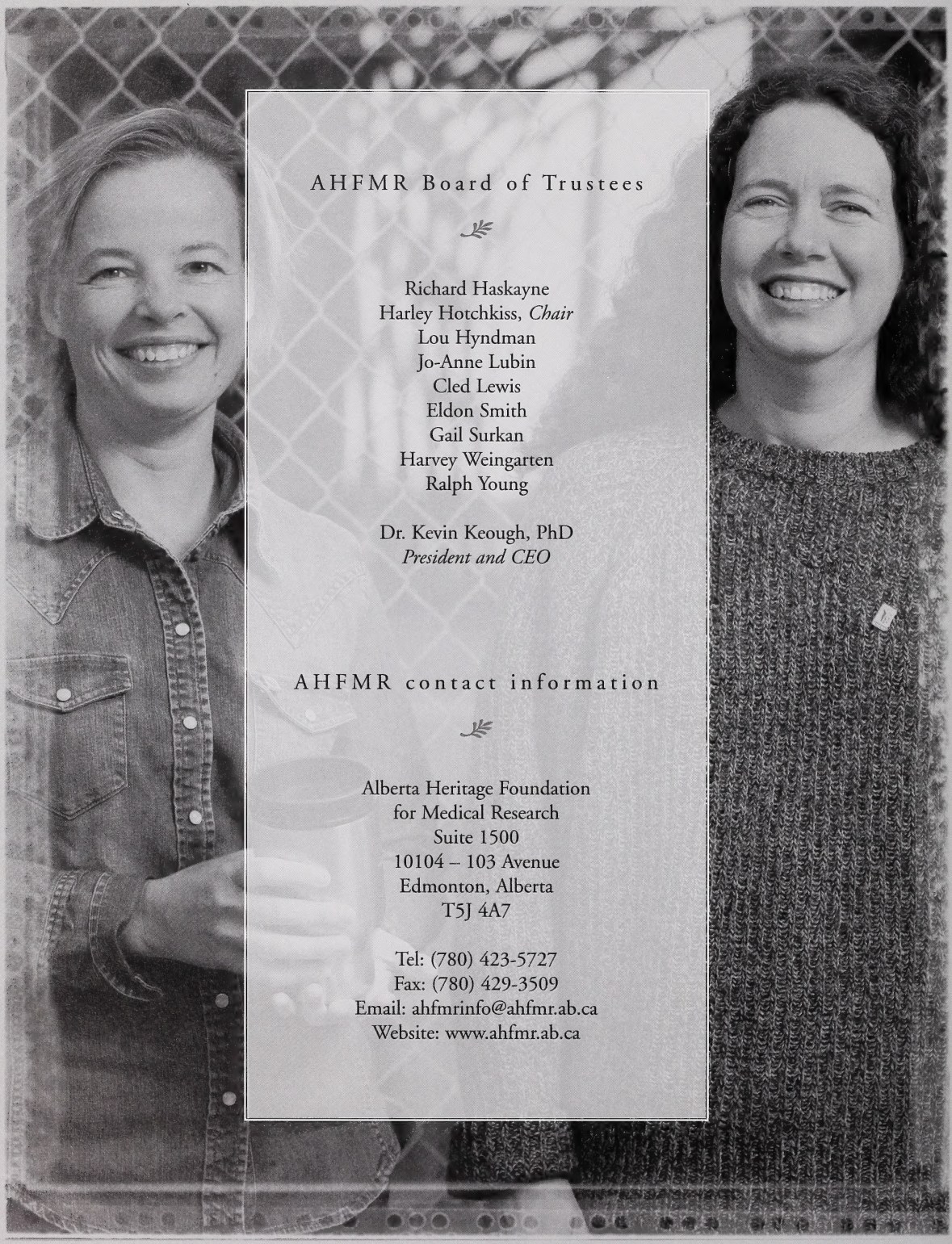
AHFMR Programs and Financial

Highlights

[2003-2004]

AHFMR

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH



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About our Endowment

The Alberta Heritage Foundation for Medical Research Endowment Fund was established in 1980 to finance the objectives of the Foundation – to establish a long-term program of medical and health research in the Province. The Fund operates under the authority of the Alberta Heritage Foundation for Medical Research Act. The initial investment was $300 million.

How is it managed?

Alberta Investment Management, the investment operations group of Alberta Revenue, is responsible for investing the Endowment. The Endowment is invested subject to the Statement of Investment Policy established by the Endowment Fund Policy Committee of Alberta Revenue. The Investment objective is to exceed the return on the fund's policy benchmark over a four-year period and to target a 5.5% annual real (after inflation) rate of return.

What impact does the endowment value have on budgets?

Foundation management works with Alberta Revenue in developing long term investment forecasts and strategies to ensure sufficient cash to fund current operations, while maintaining the value of the endowment over the long term.

The Foundation drew $50 million from its Endowment for the year ended March 31, 2004, which represents 6.9% of the opening balance ($726 million at April 1, 2003). The balance at March 31, 2004 was $897 million. The generally accepted guideline for endowment expenditures is 5% or less over the long term. The opening value of the Endowment was a result of the negative returns from the Endowment investments and the markets in general in 2002 and 2003. The Endowment had previously reached a value of $1.2 billion which would have supported a draw of $50 million under a 5% guideline. The Foundation has taken steps to reduce expenditures over the long term to an annual level that will be consistent with current best practices and its goal of endowment sustainability.

How is Fund performance evaluated?

Investment benchmarks are constructed for each asset class based on similar risk profiles and investment strategies. Broad asset classes include cash, fixed income, Canadian equity, U.S. equity, non-North American equity, real estate and alternative assets. Benchmarks include SC 91 day T-bills, S.C. Bond Universe, S&P/TSX Composite, S&P 1500, MSCI World, etc. The individual asset class benchmarks are amalgamated at the total fund level to create the fund's policy benchmark to which actual investment performance is compared.

About our Budgets

How do we set our annual and long term budgets?

AHFMR management develops long range projections, based on Trustee decisions about maintaining current programs and developing new ones. These projections are then evaluated, taking into account the anticipated value of the endowment over the long term. Annual budgets are then developed from this long-range projection.

Continued, page 4...

Why do actual expenditures sometimes vary from the budget?

Budgets are based on estimates of quality and number of applications for programs and the results of the review process. Actual expenditures may vary from the budget, depending on the quality and number of applications received and approved, and the number of awards accepted. (Excellence is the primary criteria for funding proposals.) In addition, the Foundation responds to needs as they arise in the community and unforeseen opportunities may result in increased spending.

About our Peer Review

How does AHFMR decide whom to fund?

All final decisions about people and projects supported by AHFMR are made by the Trustees. They must weigh the mandate – to support a balanced program of research that meets standards of excellence – against available income, a portion which must be added to the endowment to conserve purchasing power for the future.

Who advises the Trustees?

The AHFMR Board of Trustees and executive rely on advice from many people in the international, national, and provincial medical research and health communities. Members of the AHFMR Scientific Advisory Council advise on major applications and policy decisions related to research. Other scientists and stakeholders in research, education, and health serve on AHFMR committees or as consultants. The Foundation has numerous peer-review and/or advisory committees for various programs.

How are the applications for funding evaluated?

AHFMR follows the established procedure of evaluating applications by a peer review system, whereby applications are evaluated and rated by other researchers and/or users of health research information who have expert knowledge in each applicant's field of study. These include external reviewers who may be working in any part of the world, as well as internal AHFMR committees with representatives from universities and hospitals in Alberta and throughout North America. These peer review committees then forward their evaluations and recommendations to the Trustees.

How do successful candidates receive their funding?

All grants, awards, and other funding are subject to terms and conditions which must be agreed to prior to funding. Researchers funded by AHFMR are recruited by the universities, hospitals, or other organizations where they will conduct their research, and these host organizations sponsor their applications for AHFMR funding. Successful applicants become employees of these organizations, not of AHFMR. AHFMR reimburses the host organization for salary and other award related costs.

Projects funded by AHFMR, such as through the Technology Commercialization program, may be paid through universities, institutions or other organizations subject to the terms and conditions of the award.

Awards and other programs of AHFMR

[D]ECISIONS ABOUT AHFMR AWARDS are based on advice provided by a system called peer review. AHFMR receives applications from the individual and the host organization where the research will be carried out. The applications are sent to outside reviewers with expertise in relevant fields and these reviewers assess the qualifications of the applicant and the feasibility, importance, relevance, and originality of the proposed projects. Then the applications are assessed by an AHFMR committee of reviewers, who rank them in order of excellence, and forward recommendations to AHFMR's Board of Trustees.

Applications for the most senior award, Heritage Scientist are reviewed by international committees; the Scientific Advisory Council (for biomedical applications) and by the Health Advisory Committee (health applications) to ensure activities supported meet world standards in the quality of their research.

For details of each of the following competitive award programs, please go to **www.ahfmr.ab.ca/researchers.html**

- Heritage Scientists
- Heritage Senior Scholars
- Heritage Scholars
- Heritage Clinical Investigators
- Heritage Population Health Investigators
- Independent Establishment Grants for New Investigators
- Heritage Fellowships
- Heritage Clinical Fellowships
- Heritage Health Research Career Renewal Awards
- Heritage Studentships
- Heritage M.D./Ph.D. Trainees
- Dr. Lionel E. McLeod Health Research Scholarship
- Heritage Major Equipment Grants
- Heritage Institutional Support Programs
- Technology Commercialization (TC) Program
- Heritage Youth Researcher Summer (HYRS) Program
- Heritage Community Health Research Visiting Lecturer Program
- Heritage Community Health Research Travel Grant Program
- Health Research Fund
- Programs in Health Services Research
- Canada Research Chairs/AHFMR Partnership
- AHFMR Research Prize

- Other AHFMR Programs

Applied Health Research Programs

AHFMR's Applied Health Research Programs (AHRP) section coordinates initiatives whose goal is to increase capacity in the health system as a whole for doing and using health research.

AHRP leads five major activities to accomplish this goal:

> Swift Efficient Application of Research in Community Health (SEARCH) is a two year virtual program for health professionals that trains them to conduct and use research, and then participate in a SEARCH Network to increase capacity for evidence-based decision making throughout Alberta.

> The Community Research Ethics Board of Alberta (CREBA) provides ethics reviews for practice-based researchers who do not have access to other research ethics boards.

> The Alberta Research Ethics Community Consensus Initiative (ARECCI) aims to develop a common understanding across the province in order to increase the clarity and efficiency of ethics review processes for research and evaluation.

> The Health Research Transfer Network of Alberta (RTNA) is a network of professionals interested in the application of research to facilitate evidence-based decision making in the health regions.

> Alberta Consultative Health Research Network (ACHRN) increases capacity by providing workshops and consultation services to health professionals on research and evaluation.

Continued, page 6...

Health Technology Assessment Unit

AHFMR established the Health Technology Assessment (HTA) Unit in 1995, under the Health Research Collaboration Agreement – a contractual arrangement between Alberta Health & Wellness and AHFMR. The HTA Unit operates independently from other governmental organizations and agencies and is affiliated with national and international health technology assessment agencies. It is a member of the International Network of Agencies for Health Technology Assessments. It conducts thorough assessments, based on requests from government, health organizations, and health care professionals, of health technologies – drugs, medical devices, medical and surgical procedures, and the administrative and support systems within which health care is delivered. The HTA unit also has an active program of disseminating its products to policy makers, decision makers and clinicians in practise.

The unit offers a six month professional development opportunity to anyone who has an interest in developing skills and knowledge in conducting health technology assessments.

For a comprehensive list of projects undertaken by the HTA Unit during the 2003-04 fiscal year, please go to www.ahfmr.ab.ca/hta/.

Impact Analysis Unit

AHFMR's Impact Analysis Unit was established in 2001. It counsels, coordinates, commissions, and conducts analysis and evaluation relating to the impact of AHFMR's programs. "Impact" refers to the broad and diverse effects or outcomes stemming from AHFMR's activities, which can be immediate, intermediate, or ultimate in nature. The scope of the Impact Analysis Unit includes all AHFMR activities and programs. Projects conducted or coordinated by the Unit in 2003-2004 included the evaluation of the Health Research Collaboration Agreement, a survey of the Research Transfer Network of Alberta membership, a satisfaction survey of Community Research Ethics Board of Alberta clients, and a study of Health Research Fund outputs and outcomes. The Coordinator, Impact Analysis, is presently part of the Advisory Team to the HTA Ambassador Pilot Project as well as the Advisory Team to the external evaluation of Canadian Health Services Research Foundation (CHSRF)'s EXTRA Program. In 2003-2004 the Unit contributed to presentations at ISTAHC 2003, Community-University Expo International, the University of Alberta's Margaret Scott Wright Research Day, and the 5th International Conference on the Scientific Basis of Health Services.

Technology Commercialization Program

The Technology Commercialization (TC) Program assists Alberta innovators with the transfer of new health-related ideas and scientific findings into successful commercial products and services. In particular, the TC strategy focuses on the early stage of commercial development: identifying opportunities, supporting the people behind the ideas, and gearing technology development toward market readiness. Components of the TC Program include project funding in three phases up to $685,000 and a TC Internship Program. In addition, there is funding for educational seminars/training and a ForeFront Committee, which is comprised of commercialization experts who help applicants and their teams to understand critical business issues and processes, and provides peer review for applications.

Major Funding Partners

Since 1981, the Alberta Heritage Foundation for Medical Research has granted more than $780 million to support health research in Alberta. The Foundation and the Alberta research community rely heavily on the contributions of many partners to build and sustain health research in the province. It is estimated that for every Heritage dollar invested, AHFMR researchers attract $2-3 in outside funding.

[A] **MAJOR FUNDING PARTNER** in the Heritage health research enterprise in Alberta is the federal government, through its major granting agencies: the Canadian Institutes of Health Research, the Natural Sciences and Engineering Research Council, the Canadian Health Services Research Foundation, the Canada Foundation for Innovation, and Industry Canada.

The Government of Alberta, through a number of ministries, departments and programs, is also a significant partner in AHFMR's endeavours to develop the health research capacity provincially.

The University of Alberta, the University of Calgary and the University of Lethbridge are key partners with AHFMR in the realization of health research excellence in the classroom, laboratory, and at the bedside.

The regional health authorities continue to be vital partners in strengthening capacity in Alberta's health system for developing, disseminating, and using information to meet the challenge of improving health outcomes.

Voluntary funding agencies represent the hope of millions. Their contributions to the work of AHFMR funded researchers are helping to turn hope into reality. The Heart and Stroke Foundation of Canada, the Juvenile Diabetes Foundation, the Canadian Diabetes Association, National Cancer Institute of Canada and others are valuable allies and agents for better health.

NeuroScience Canada and AHFMR have formed a unique partnership to encourage young Albertans to pursue a research career in neuroscience. To date, awards have been provided to graduate students and post doctoral research fellows at the University of Alberta, the University of Calgary, and the University of Lethbridge.

Pharmaceutical companies individually or through the Rx&D are committed to investing in the excellence that AHFMR-funded research delivers.

International funding partners increasingly contribute to Heritage-funded research and include the Whitaker Foundation, the U.S. based National Institutes of Health, the Wellcome Trust, and many other agencies.

To these partners and to all teachers, politicians, members of the media and the public whose interest in, and support of, Heritage health research activities have helped us spread the story of AHFMR successes, we thank you and look forward to working with you in the years to come.

From time to time, individuals send donations to AHFMR. We cannot accept donations directly, and have set up another non-profit foundation with similar objectives called the Alberta Foundation for Health Research. If you would like to contribute to the success of ongoing health research efforts in Alberta, you can donate to this foundation. All funds support health researchers in their efforts to create better health now and in the future. All donations are tax deductible. Please call (780) 426-3472 or e-mail ahfmrinfo@ahfmr.ab.ca or write us at: Alberta Foundation for Health Research, c/o Suite 1500, 10104 – 103 Avenue, Edmonton, Alberta, T5J 4A7, for more information.

Success Rates for AHFMR Grants and Awards/Programs 2003-2004

The results are expressed as number of applications approved/number of applications received; followed by the percentage success rate.

COMPETITION		2003/2004
TRAINING AWARDS*		
HERITAGE YOUTH RESEARCHER SUMMER (HYRS)	45/206	22%
SUMMER STUDENTS	176/398	45%
STUDENTS	48/232	21%
FELLOWS	38/111	34%
SENIOR INVESTIGATOR (BIOMEDICAL/CLINICAL) AWARDS**		
CLINICAL INVESTIGATOR	5/10	50%
INDEPENDENT ESTABLISHMENT	1/2	50%
SCHOLAR	7/20	35%
SENIOR SCHOLAR	8/15	53%
SCIENTIST	10/17	59%
SENIOR INVESTIGATOR (HEALTH) AWARDS		
POPULATION HEALTH INVESTIGATOR	6/21	29%
HEALTH INDEPENDENT ESTABLISHMENT	0/0	-
HEALTH SCHOLAR	3/5	60%
HEALTH SENIOR SCHOLAR	0/1	0%
HEALTH SCIENTIST	0/2	0%
OTHER PROGRAMS		
MAJOR EQUIPMENT	15/37	40%
HEALTH RESEARCH FUND	17/29	59%
PROGRAMS IN HEALTH SERVICES RESEARCH	1/6	17%
CONFERENCE GRANTS	28/31	91%
COMMUNITY HEALTH VISITING PROGRAMS	16/16	100%
	424/1159	**37%**

*Trainee applications/awards include Biomedical, Clinical, MD/Ph.D. and Health Research. Data are for October 2003 and March 2004 competitions.

** Data are for the September 2003 competition.

The applications for senior investigator awards, Health Research Fund grants, and the Programs in Health Services Research grants were reviewed by more than 50 members of 8 peer review committees. The work of these committees was facilitated by over 500 external reviews.

Applications for Trainee awards were considered by over 30 different members of 5 review committees.

Funding details of the Technology Commercialization (TC) Program

In 2003/2004, funding was provided in six areas: Medical Research Technologies, Medical Devices, Non-drug Therapies, Drugs, Industry Support, and Internship/Training for a total of $1,161,550.

TC (APPLICATIONS APPROVED/RECEIVED)		
2003/2004	11/22	50%

Includes University spin-off companies that applied independently.

AHFMR Advisory Committee Memberships 2003-2004

** Denotes members who started after April 1, 2003 and before March 31, 2004*

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Calgary, Alberta

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NRC-NINT
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Mind to Market Solutions
Calgary, Alberta

Dr. Richard Johnstone
Information Consultants
St. Albert, Alberta

Mr. Peter Matthewman
Alberta Research Council
Edmonton, Alberta

Ms. Beverley Sheridan*
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Calgary, Alberta

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School of Medicine
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Community Research
Ethics Board of Alberta
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Medicine Hat, Alberta

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Calgary, Alberta

Dr. Albert de Villiers*
Peace Country Health
Grand Prairie, Alberta

Health Research Transfer Network of Alberta Steering Committee

Ms. Donna Angus
Institute for Health
Economics
Edmonton, Alberta

Ms. Kelly Deis
Centre for Health Evidence,
University of Alberta
Edmonton, Alberta

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David Thompson
Health Region
Wetaskiwin, Alberta

Ms. Tanya Ewashko
Calgary Health Region
Calgary, Alberta

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Health Canada
Edmonton, Alberta

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Alberta Family Practice
Research Network
Edmonton, Alberta

Ms. Susan McMillan
Health Canada
Edmonton, Alberta

Dr. Kerrie Pain
Alberta Consultative
Health Research Network /
University of Calgary
Canmore, Alberta

Ms. Shannon Scott-Findley
Centre for Knowledge
Transfer, University of Alberta
Edmonton, Alberta

Ms. Brenda Waye Perry
Alberta Health and Wellness
Edmonton, Alberta

SEARCH Faculty Committee

Dr. Ann Casebeer
University of Calgary
Calgary, Alberta

Dr. Glenn Donnelly
University of Saskatoon
Saskatoon, Saskatchewan

Dr. Sheila Evans
University of Calgary
Calgary, Alberta

Dr. Gordon Fick
University of Calgary
Calgary, Alberta

Dr. Karen Golden-Biddle
University of Alberta
Edmonton, Alberta

Dr. Robert Hayward
University of Alberta
Edmonton, Alberta

Dr. Gail MacKean*
University of Calgary
Calgary, Alberta

Ms. Sharon Matthias
Matthias Inc.:
Designing the Future
Edmonton, Alberta

Dr. Trish Reay
University of Alberta
Edmonton, Alberta

Dr. Duncan Saunders
University of Alberta
Edmonton, Alberta

Dr. Alan Shiell
University of Calgary
Calgary, Alberta

Dr. Marja Verhoef
University of Calgary
Calgary, Alberta

SEARCH Network Committee

Ms. Jeanne Annett
Aspen Regional
Health Authority
Westlock, Alberta

Ms. Kathy Belton
Alberta Centre for Injury
Control and Research
Edmonton, Alberta

Ms. V. Nadine Gall
Alberta Consultative
Health Research Network
Calgary, Alberta

Ms. Tara Hanson
East Central Health
Camrose, Alberta

Ms. Christine Jensen-Ross
Chinook Health Region
Lethbridge, Alberta

Dr. Trish Reay
University of Alberta
Edmonton, Alberta

SEARCH Steering Committee

Dr. Jeanne Besner
Calgary Health Region
Calgary, Alberta

Dr. Ann Casebeer
University of Calgary
Calgary, Alberta

Ms. Pat Furey*
Northern Lights
Health Region
Fort MacMurray, Alberta

Dr. Ron Gorsche
Rural Physician Action Plan
High River, Alberta

Ms. Eileen Grant
Calgary Health Region
Calgary, Alberta

Ms. Tara Hanson*
East Central Health
Camrose, Alberta

Ms. Janet Lapins*
Chinook Health Region
Lethbridge, Alberta

Ms. Lori Baugh-Littlejohns
David Thompson
Health Region
Red Deer, Alberta

Ms. Sharon Matthias
Matthias Inc.:
Designing the Future
Edmonton, Alberta

Dr. Maeve O'Beirne
University of Calgary
Calgary, Alberta

Dr. Kerrie Pain*
Alberta Consultative
Health Research Network /
University of Calgary
Canmore, Alberta

Ms. Patricia Pelton
Northern Lights
Health Region
Fort MacMurray, Ablerta

Dr. Trish Reay
University of Alberta
Edmonton, Alberta

Ms. Brenda Waye-Perry
Alberta Health and Wellness
Edmonton, Alberta

Institutional, Provincial, National and International awards Won by AHFMR-supported researchers and trainees in 2003-2004*

Mr. Philip Berardi
Dean's Research
Excellence Award,
University of Calgary

CIHR Institute of
Aging Plus Prize

Dr. Sabina Bruehlmann
2004 ISSLS Prize in
Bioengineering from the
International Society for the
Study of the Lumbar Spine

Dr. Gordon Francis
2003 University of Alberta
Department of Medicine
Award for Excellence in
Academic Mentoring

Royal College of Physicians
and Surgeons of Canada
2004 Gold Medal in Medicine

Dr. Ashley Harris
Dean's Research Excellence
Award, University of Calgary

Dr. Sam Lee
Queen Elizabeth Golden
Jubilee Medal, 2003

Dr. Sumit Majumdar
Young Investigator of the
Year Award (2004), Canadian
Society of Internal Medicine

Postgraduate Medicine
Teacher of the Year Award

Dr. Walter Maksymowych
Paul Armstrong Award for
Excellence in Research,
Department of Medicine,
University of Alberta

Dr. Israel Mendez
CIHR Research Days
Silver Award, University
of Manitoba

Ms. Alisa Mintz
Dean's Research Excellence
Award, Department of
Psychology, University
of Calgary

Dr. Redwan Moqbel
Killam Professor award
2003-2004, University
of Alberta

**Dr. Christine
Newburn-Cook**
Queen Elizabeth Golden
Jubilee Medal, 2003

Dr. Stephen Robbins
2003 Golden Apple Award
in Recognition and
Appreciation of Outstanding
Teaching, Medical Graduate
Students Association,
University of Calgary

2003 McLeod Award for
Excellence in Teaching,
Distinguished Achievement
Award, Faculty of Medicine,
University of Calgary

Dr. Miriam Stewart
2004 J. Gordon Kaplan Award
for Excellence in Research,
University of Alberta

Ms. Janet Tapper
First place, PhD Student
Competition, American Society
of Mechanical Engineers,
Summer Biomechanical
Engineering Meeting

Dr. Cory Toth
Andre Barbeau Prize for
Neurological Research,
Canadian Neurological Society

Clinical Teacher Award
for Neurosciences course,
selected by Medical Class
of 2005, University of Calgary

Dr. Suzanne Tough
2003 Golden Apple Award
in Recognition and
Appreciation of Outstanding
Teaching, Medical Graduate
Students Association,
University of Calgary

Dr. Edward Tredget
Harvey Stuart Allen
Distinguished Service Award,
American Burn Association

Dr. Guido van Marle
2003 Young Investigator
Award, 11th Conference
on Retroviruses and
Opportunistic Infections

**Awards listed are honours above and beyond endowed chairs or personnel and funding awards received from any agency or organization. All listings are provided by researchers and are edited by AHFMR according to these guidelines.*

AHFMR Approved/Implemented Grants as of March 31, 2004

Health Research Fund

Dr. Donald Addington
University of Calgary
Calgary, Alberta

Dr. Carol Austin
University of Calgary
Calgary, Alberta

Dr. Steven Bray
University of Lethbridge
Lethbridge, Alberta

Dr. Sara Davison
University of Alberta
Edmonton, Alberta

Dr. Christopher Doig
University of Calgary
Calgary, Alberta

Ms. Sandra Doze
David Thompson
Health Region
Wetaskiwin, Alberta

Dr. Jane Drummond
University of Alberta
Edmonton, Alberta

Dr. Laura Ghali
University of Calgary
Calgary, Alberta

Dr. William Ghali
University of Calgary
Calgary, Alberta

Dr. Bradley Hagen
University of Lethbridge
Lethbridge, Alberta

Dr. Barry Hall
University of Calgary
Calgary, Alberta

Dr. Vivien Hollis
University of Alberta
Edmonton, Alberta

Dr. Philip Jacobs
University of Alberta
Edmonton, Alberta

Continued, page 14...

Dr. Donald (Bill) Johnston
University of Alberta
Edmonton, Alberta

Dr. Valerie Kirk
University of Calgary
Calgary, Alberta

Dr. Daniel Lai
University of Calgary
Calgary, Alberta

Dr. Mingshan Lu
University of Calgary
Calgary, Alberta

Dr. Joyce Magill-Evans
University of Alberta
Edmonton, Alberta

Dr. Laura May
University of Alberta
Edmonton, Alberta

Dr. Kevin McLaughlin
University of Calgary
Calgary, Alberta

Dr. Lynn Meadows
University of Calgary
Calgary, Alberta

Dr. Katherine Moore
University of Alberta
Edmonton, Alberta

Dr. Donald Morrish
University of Alberta
Edmonton, Alberta

Dr. Christine Newburn-Cook
University of Alberta
Edmonton, Alberta

Dr. Maeve O'Beirne
University of Calgary
Calgary, Alberta

Dr. Linda Ogilvie
University of Alberta
Edmonton, Alberta

Dr. Hude Quan
University of Calgary
Calgary, Alberta

Dr. Marlene Reimer
University of Calgary
Calgary, Alberta

Dr. John Robinson
Alberta Cancer Board
Calgary, Alberta

Dr. Ambikaipakan Senthilselvan
University of Alberta
Edmonton, Alberta

Dr. John Spence
University of Alberta
Edmonton, Alberta

Dr. Miriam Stewart
University of Alberta
Edmonton, Alberta

Dr. Suzanne Tough
University of Calgary
Calgary, Alberta

Dr. Olive Triska
University of Alberta
Edmonton, Alberta

Dr. Willis Tsai
University of Calgary
Calgary, Alberta

Dr. Marja Verhoef
University of Calgary
Calgary, Alberta

Dr. Joanne Volden
University of Alberta
Edmonton, Alberta

Dr. Lorraine Watson
University of Calgary
Calgary, Alberta

Dr. William Whitelaw
University of Calgary
Calgary, Alberta

Major Equipment

Dr. Roland Auer
University of Calgary
Calgary, Alberta

Dr. Carol Boliek
University of Alberta
Edmonton, Alberta

Dr. Gordon Chan
Cross Cancer Institute
Edmonton, Alberta

Dr. Larry Fliegel
University of Alberta
Edmonton, Alberta

Dr. Moira Glerum
University of Alberta
Edmonton, Alberta

Dr. Kevin Kane
University of Alberta
Edmonton, Alberta

Dr. Edward Knaus
University of Alberta
Edmonton, Alberta

Dr. Paul Melancon
University of Alberta
Edmonton, Alberta

Dr. Marek Michalak
University of Alberta
Edmonton, Alberta

Dr. Frank Nargang
University of Alberta
Edmonton, Alberta

Dr. Kamala Patel
University of Calgary
Calgary, Alberta

Dr. Richard Pon
University of Calgary
Calgary, Alberta

Dr. Joel Weiner
University of Alberta
Edmonton, Alberta

Dr. Richard Wilson
University of Calgary
Calgary, Alberta

SEARCH Seed Funds *Individual Competition*

Ms. Bonnie Baxter
Lakeland Regional Health Authority
Fort Saskatchewan, Alberta

Dr. Annie Claude
Alberta Family Practice Research Network
Calgary, Alberta

Ms. Penny Kwasny
Chinook Health Region
Lethbridge, Alberta

Ms. Nancy Kay Miller
Headwaters Health Authority
Black Diamond, Alberta

SEARCH Seed Funds *Group Competition*

Dr. Annie Claude, Alberta Family Practice Research Network / Ms. Bev Baptiste, Capital Health / Ms. Shirley Hill, Chinook Health Region / Mr. Jonathon Robb, Alberta Health and Wellness / Dr. Carol Rowntree, Rural Physician Action Plan

Ms. Carol Connolly, Aspen Regional Health Authority / Ms. Leslie Ayre-Jaschke, Peace Health Region / Ms. Bonnie Baxter, Lakeland Regional Health Authority / Ms. Audrey Groeneveld, Capital Health / Ms. Cynthia Mills, Calgary Health Region / Ms. Bev Webster, Alberta Mental Health Board

Ms. Tanya Ewashko, Calgary Health Region / Ms. Suzette Miller, Calgary Health Region / Ms. Nancy Stocker, Calgary Health Region

Ms. Penny Kwasny, Chinook Health Region / Ms. Suzanne Maisey, The Capital Care Group / Mr. Slade McCormick, David Thompson Health Region

Mr. Andrew McDonald, David Thompson Health Region / Ms. Wendy Heffern, Alberta Mental Health Board / Ms. Daria Wallsten, Keeweetinok Lakes Regional Health Authority

Independent Establishment Grants

Cherry, Nicola M., MD, PhD
Faculty of Medicine & Dentistry, Department of Public Health Sciences, U/A

Feeny, David H., PhD
IHE*

Klassen, Terry P., MD
Faculty of Medicine & Dentistry, Department of Pediatrics, U/A

Marrie, Thomas J., MD
Faculty of Medicine & Dentistry, Department of Medicine, U/A

Misiaszek, John E., PhD
Faculty of Rehabilitation Medicine, Department of Occupational Therapy, U/A

Mobit, Paul N., PhD
Faculty of Medicine, Department of Oncology, U/C

Spiers, Judith A., PhD
Faculty of Nursing, U/A

AHFMR Personnel Awards*

**currently implemented as of March 31, 2003*

Population Health Investigators

Auld, M. Christopher, PhD
Faculty of Social Sciences, Department of Economics, U/C

Culos-Reed, S. Nicole, PhD
Faculty of Kinesiology, U/C

Currie, Gillian, PhD
Faculty of Social Sciences, Department of Economics, U/C

Hegadoren, Kathleen M., PhD
Faculty of Nursing, U/A

Hilsden, Robert J., MD, PhD
Faculty of Medicine, Department of Medicine, U/C

Jardine, Cynthia G., PhD
Faculty of Agriculture, Forestry & Home Economics, Department of Human Ecology, U/A

Johnson, Jeffrey A., PhD
Faculty of Medicine & Dentistry, Department of Public Health Sciences, U/A

King, Kathryn M., PhD
Faculty of Nursing, U/C

Lu, Mingshan, PhD
Faculty of Social Sciences, Department of Economics, U/C

Majumdar, Sumit R., MD
Faculty of Medicine & Dentistry, Department of Medicine, U/A

Maxwell, Colleen J., PhD
Faculty of Medicine, Department of Community Health Sciences, U/C

McAlister, Finlay A., MD
Faculty of Medicine & Dentistry, Department of Medicine, U/A

McGregor, S. Elizabeth, PhD
Department of Epidemiology, Prevention & Screening, ACB

McLennan, John D., MD
Faculty of Medicine, Department of Community Health Sciences, U/C

Paradis, Johanne C., PhD
Faculty of Arts, Department of Linguistics, U/A

Plotnikoff, Ronald C., PhD
Faculty of Physical Education & Recreation, U/A

Romagnuolo, Joseph, MD
Faculty of Medicine, Department of Medicine, U/C

Rosychuk, Rhonda J., PhD
Faculty of Medicine & Dentistry, Department of Pediatrics, U/A

Smythe, James G., PhD
Faculty of Arts, Department of Economics, U/A

Tonelli, Marcello A., MD
Faculty of Medicine & Dentistry, Department of Medicine, U/A

Tough, Suzanne C., PhD
Faculty of Medicine, Department of Pediatrics, U/C

Wild, T. Cameron, PhD
Faculty of Medicine & Dentistry, Department of Public Health Sciences, U/A

Clinical Investigators

Adamko, Darryl J., MD
Faculty of Medicine & Dentistry, Department of Pediatrics, U/A

Beck, Paul L., MD, PhD
Faculty of Medicine, Department of Medicine, U/C

Chan, K. Ming, MD
Faculty of Medicine & Dentistry, Department of Physical Med & Rehabilitation (Division), U/A

Cheung, Po-Yin, MD, PhD
Faculty of Medicine & Dentistry, Department of Pediatrics, U/A

Coupland, Nicholas J., MD
Faculty of Medicine & Dentistry, Department of Psychiatry, U/A

Demchuk, Andrew M., MD
Faculty of Medicine, Department of Clinical Neurosciences, U/C

Exner, Derek V., MD
Faculty of Medicine, Department of Medicine, U/C

Federico, Paolo, MD, PhD
Faculty of Medicine, Department of Clinical Neurosciences, U/C

Gainer, Anita L., MD, PhD
Faculty of Medicine & Dentistry, Department of Surgery, U/A

Hao, Chunhai (Charlie), MD, PhD
Faculty of Medicine & Dentistry, Department of Laboratory Medicine & Pathology, U/A

Kiss, Zelma H. T., MD, PhD
Faculty of Medicine, Department of Clinical Neurosciences, U/C

Lam, Ernest Wing Ngai, DMD, PhD
Faculty of Medicine & Dentistry, Department of Dentistry, U/A

Le Melledo, Jean-Michel, MD
Faculty of Medicine & Dentistry, Department of Psychiatry, U/A

Muruve, Daniel A., MD
Faculty of Medicine, Department of Medicine, U/C

Shapiro, A. M. James, MD, PhD
Faculty of Medicine & Dentistry, Department of Surgery, U/A

Thébaud, Bernard, MD
Faculty of Medicine & Dentistry, Department of Pediatrics, U/A

Tibbles, Lee Anne, MD
Faculty of Medicine, Department of Medicine, U/C

Tibbo, Philip G., MD
Faculty of Medicine & Dentistry, Department of Psychiatry, U/A

Tsui, Ban Chi-Ho, MD
Faculty of Medicine & Dentistry, Department of Anesthesiology & Pain Medicine, U/A

Vliagoftis, Harissios, MD
Faculty of Medicine & Dentistry, Department of Medicine, U/A

Scholars

Agrawal, Babita, PhD
Faculty of Medicine & Dentistry, Department of Surgery, U/A

Anderson, Todd J., MD
Faculty of Medicine, Department of Medicine, U/C

Andrew, Susan E., PhD
Faculty of Medicine & Dentistry, Department of Medical Genetics, U/A

Bains, Jaideep S., PhD
Faculty of Medicine, Department of Physiology & Biophysics, U/C

Barry, Michele M., PhD
Faculty of Medicine & Dentistry, Department of Medical Microbiology & Immunology, U/A

Beattie, Tara L., PhD
Faculty of Medicine, Department of Biochemistry & Molecular Biology, U/C

Beaulieu, Christian, PhD
Faculty of Medicine & Dentistry, Department of Biomedical Engineering, U/A

Bonni, Shirin, PhD
Faculty of Medicine, Department of Biochemistry & Molecular Biology, U/C

Braun, Janice E., PhD
Faculty of Medicine, Department of Physiology & Biophysics, U/C

Brown, Christopher B., MD
Faculty of Medicine, Department of Medicine, U/C

Burshtyn, Deborah N., PhD
Faculty of Medicine & Dentistry, Department of Medical Microbiology & Immunology, U/A

Carroll, Linda J., PhD
Faculty of Medicine & Dentistry, Department of Public Health Sciences, U/A

Caulfield, Timothy A., LLM
Faculty of Law, Health Law Institute, U/A

Chen, Xing-Zhen, PhD
Faculty of Medicine & Dentistry, Department of Physiology, U/A

Childs, Sarah J., PhD
Faculty of Medicine, Department of Biochemistry & Molecular Biology, U/C

Colbourne, Frederick, PhD
Faculty of Science, Department of Psychology, U/A

Collins, David F., PhD
Faculty of Physical Education & Recreation, U/A

Cook, Linda S., PhD
Faculty of Medicine, Department of Community Health Sciences, U/C

Coorssen, Jens R., PhD
Faculty of Medicine, Department of Physiology & Biophysics, U/C

DeVinney, Rebekah, PhD
Faculty of Medicine, Department of Microbiology & Infectious Diseases, U/C

Dickson, Clayton T., PhD
Faculty of Science, Department of Psychology, U/A

Dunn, James R., PhD
Faculty of Medicine, Department of Community Health Sciences, U/C

Dyck, Jason R., PhD
Faculty of Medicine & Dentistry, Department of Pediatrics, U/A

Eitzen, Gary A., PhD
Faculty of Medicine & Dentistry, Department of Cell Biology, U/A

Fouad, Karim, PhD
Faculty of Rehabilitation Medicine, U/A

Francis, Gordon A., MD
Faculty of Medicine & Dentistry, Department of Medicine, U/A

Fraser, Marie E., PhD
Faculty of Science, Department of Biological Sciences, U/C

Frayne, Richard, PhD
Faculty of Medicine, Department of Clinical Neurosciences, U/C

Friedenreich, Christine M., PhD
Department of Epidemiology, Prevention & Screening, ACB

Ghali, William A., MD
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Gorassini, Monica A., PhD
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Hasan, Shabih U., MD, PhD
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Hazes, Bart, PhD
Faculty of Medicine & Dentistry, Department of Medical Microbiology & Immunology, U/A

Hendzel, Michael J., PhD
Faculty of Medicine & Dentistry, Department of Oncology, U/A

Heslip, Timothy R., PhD
Faculty of Medicine, Department of Biochemistry & Molecular Biology, U/C

Jones, Kelvin E., PhD
Faculty of Medicine & Dentistry, Department of Biomedical Engineering, U/A

Kleim, Jeffrey A., PhD
Faculty of Arts & Science, Department of Psychology & Neuroscience, U/L*

Lai, Daniel W., PhD
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Lakey, Jonathan R., PhD
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Lee, Ki-Young, PhD
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Lehner, Richard, PhD
Faculty of Medicine & Dentistry, Department of Pediatrics, U/A

Light, Peter E., PhD
Faculty of Medicine & Dentistry, Department of Pharmacology, U/A

Logan, C. Cairine, PhD
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Lu, YouMing, MD, PhD
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MacMillan, Andrew M., PhD
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Madsen, Karen L., PhD
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Magor, Katharine E., PhD
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Mason, Andrew L., MD
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McDougall, Jason J., PhD
Faculty of Medicine, Department of Physiology & Biophysics, U/C

Metz, Gerlinde A., PhD
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Michelakis, Evangelos D., MD
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Mitchell, J. Ross, PhD
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Moore, Ronald B., MD, PhD
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Mosimann, Steven C., PhD
Faculty of Arts & Science, Department of Chemistry & Biochemistry, U/L

Muldrew, Kenneth B., PhD
Faculty of Medicine, Department of Cell Biology & Anatomy, U/C

Mushahwar, Vivian K., PhD
Faculty of Medicine & Dentistry, Department of Biomedical Engineering, U/A

Ng, Kenneth K., PhD
Faculty of Science, Department of Biological Sciences, U/C

Olson, Karin L., PhD
Faculty of Nursing, U/A

Posse de Chaves, Elena I., PhD
Faculty of Medicine & Dentistry, Department of Pharmacology, U/A

Poulin, Marc J., PhD
Faculty of Medicine, Department of Physiology & Biophysics, U/C

Power, Christopher N., MD
Faculty of Medicine, Department of Clinical Neurosciences, U/C

Prenner, Elmar J., PhD
Faculty of Science, Department of Biological Sciences, U/C

Putman, Charles T., PhD
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Raine, Kim D., PhD
Faculty of Agriculture, Forestry & Home Economics, Department of Agricultural, Food & Nutritional Science, U/A

Raivio, Tracy L., PhD
Faculty of Science,
Department of Biological
Sciences, U/A

Rancourt, Derrick E., PhD
Faculty of Medicine,
Department of Oncology,
U/C

Rannala, Bruce H., PhD
Faculty of Medicine &
Dentistry, Department of
Medical Genetics, U/A

Salo, Paul T., MD
Faculty of Medicine,
Department of Surgery, U/C

Schang, Luis M., PhD
Faculty of Medicine &
Dentistry, Department
of Biochemistry, U/A

Schuurmans, Carol J., PhD
Faculty of Medicine,
Department of Biochemistry
& Molecular Biology, U/C

Shanner, Laura J., PhD
Faculty of Medicine &
Dentistry, Department of
Public Health Sciences, U/A

Silverstone, Peter H., MD
Faculty of Medicine &
Dentistry, Department of
Psychiatry, U/A

Simmonds, Andrew J., PhD
Faculty of Medicine &
Dentistry, Department
of Cell Biology, U/A

Spyracopoulos, Leonidas, PhD
Faculty of Medicine &
Dentistry, Department of
Biochemistry, U/A

Stein, Markus A., PhD
Faculty of Medicine &
Dentistry, Department of
Medical Microbiology &
Immunology, U/A

Stuart, David T., PhD
Faculty of Medicine &
Dentistry, Department of
Biochemistry, U/A

Swain, Mark G., MD
Faculty of Medicine,
Department of Medicine, U/C

Tieleman, D. Peter, PhD
Faculty of Science,
Department of Biological
Sciences, U/C

Underhill, (Darrell) Alan, PhD
Faculty of Medicine &
Dentistry, Department of
Medical Genetics, U/A

Vergnolle, Nathalie, PhD
Faculty of Medicine,
Department of Pharmacology
& Therapeutics, U/C

von der Weid, Pierre-Yves, PhD
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& Biophysics, U/C

Wang, Zhixiang, PhD
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Welsh, Donald G., PhD
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& Biophysics, U/C

Westbury, Chris F., PhD
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Department of Psychology,
U/A

Wilson, Kevin S., PhD
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of Biochemistry, U/A

Yan, Jun, MD
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Department of Physiology
& Biophysics, U/C

Young, Howard S., PhD
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Dentistry, Department
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Senior Scholars

Agellon, Luis B., PhD
Faculty of Medicine &
Dentistry, Department
of Biochemistry, U/A

Bennett, David J., PhD
Faculty of Rehabilitation
Medicine, U/A

Berthiaume, Luc G., PhD
Faculty of Medicine &
Dentistry, Department
of Cell Biology, U/A

Braun, Andrew P., PhD
Faculty of Medicine,
Department of Pharmacology
& Therapeutics, U/C

Bray, Robert C., MD
Faculty of Medicine,
Department of Surgery, U/C

Brook, William J., PhD
Faculty of Medicine,
Department of Biochemistry
& Molecular Biology, U/C

Carriere, Keumhee C., PhD
Faculty of Science,
Department of Mathematical
& Statistical Sciences, U/A

Casey, Joseph R., PhD
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Chen, Sui R. (Wayne), PhD
Faculty of Medicine,
Department of Physiology
& Biophysics, U/C

Cole, William C., PhD
Faculty of Medicine,
Department of Pharmacology
& Therapeutics, U/C

Cross, James C., PhD
Faculty of Medicine,
Department of Biochemistry
& Molecular Biology, U/C

Davidge, Sandra T., PhD
Faculty of Medicine &
Dentistry, Department of
Obstetrics & Gynaecology,
U/A

Deans, Julie P., PhD
Faculty of Medicine,
Department of Biochemistry
and Molecular Biology, U/C

Duszyk, Marek, PhD
Faculty of Medicine &
Dentistry, Department
of Physiology, U/A

Eliasziw, Michael, PhD
Faculty of Medicine,
Department of Community
Health Sciences, U/C

Funk, Gregory D., PhD
Faculty of Medicine &
Dentistry, Department
of Physiology, U/A

Giembycz, Mark A., PhD
Faculty of Medicine,
Department of Pharmacology
& Therapeutics, U/C

Glerum, D. Moira, PhD
Faculty of Medicine &
Dentistry, Department
of Medical Genetics, U/A

Glover, J. N. Mark, PhD
Faculty of Medicine &
Dentistry, Department
of Biochemistry, U/A

Hawe, Penelope, PhD
Faculty of Medicine,
Department of Community
Health Sciences, U/C

Ho, May, MD
Faculty of Medicine,
Department of Microbiology
& Infectious Diseases, U/C

Hobman, Tom C., PhD
Faculty of Medicine &
Dentistry, Department
of Cell Biology, U/A

Kneteman, Norman M., MD
Faculty of Medicine &
Dentistry, Department
of Surgery, U/A

Korbutt, Gregory S., PhD
Faculty of Medicine &
Dentistry, Department
of Surgery, U/A

Lee, Samuel S., MD
Faculty of Medicine,
Department of Medicine, U/C

Loutzenhiser, Rodger D., PhD
Faculty of Medicine,
Department of Pharmacology
& Therapeutics, U/C

Lytton, Jonathan, PhD
Faculty of Medicine,
Department of Biochemistry
& Molecular Biology, U/C

MacNaughton, Wallace K., PhD
Faculty of Medicine,
Department of Physiology
& Biophysics, U/C

Maksymowych, Wolodymyr P., MD
Faculty of Medicine &
Dentistry, Department
of Medicine, U/A

McFarlane, Sarah, PhD
Faculty of Medicine,
Department of Cell Biology
& Anatomy, U/C

Meddings, Jonathan B., MD
Faculty of Medicine,
Department of Medicine, U/C

Mody, Christopher H., MD
Faculty of Medicine,
Department of Microbiology
& Infectious Diseases, U/C

Nguyen, Peter V., PhD
Faculty of Medicine &
Dentistry, Department of
Physiology, U/A

Continued, page 18...

Senior Scholars, continued...

Patel, Kamala D., PhD
Faculty of Medicine,
Department of Physiology
& Biophysics, U/C

Robbins, Stephen M., PhD
Faculty of Medicine,
Department of Oncology,
U/C

Schulz, Richard, PhD
Faculty of Medicine,
Department of Pediatrics,
U/A

Shibuya, Ellen K., PhD
Faculty of Medicine &
Dentistry, Department
of Cell Biology, U/A

Shiell, Alan M., PhD
Faculty of Medicine,
Department of Community
Health Sciences, U/C

Smith, Francine G., PhD
Faculty of Medicine,
Department of Physiology
& Biophysics, U/C

Stewart, Miriam, PhD
Faculty of Nursing, U/A

Surette, Michael G., PhD
Faculty of Medicine,
Department of Microbiology
& Infectious Diseases, U/C

Tredget, Edward E., MD
Faculty of Medicine &
Dentistry, Department
of Surgery, U/A

Tse, Amy M., PhD
Faculty of Medicine &
Dentistry, Department
of Pharmacology, U/A

Tse, Frederick W., PhD
Faculty of Medicine &
Dentistry, Department
of Pharmacology, U/A

Vize, Peter D., PhD
Faculty of Science,
Department of Biological
Sciences, U/C

Walter, Michael A., PhD
Faculty of Medicine &
Dentistry, Department
of Ophthalmology, U/A

Wevrick, Rachel, PhD
Faculty of Medicine &
Dentistry, Department
of Medical Genetics, U/A

Wilman, Alan H., PhD
Faculty of Medicine &
Dentistry, Department of
Biomedical Engineering, U/A

Wozniak, Richard W., PhD
Faculty of Medicine &
Dentistry, Department
of Cell Biology, U/A

Yong, Voon Wee, PhD
Faculty of Medicine,
Department of Clinical
Neurosciences, U/C

Zamponi, Gerald W., PhD
Faculty of Medicine,
Department of Physiology
& Biophysics, U/C

Zimmerly, Steven J., PhD
Faculty of Science,
Department of Biological
Sciences, U/C

**Zochodne, Douglas W.,
MD**
Faculty of Medicine,
Department of Clinical
Neurosciences, U/C

Scientists

Archer, Stephen L., MD
Faculty of Medicine &
Dentistry, Department
of Medicine, U/A

Ballanyi, Klaus, PhD
Faculty of Medicine &
Dentistry, Department
of Physiology, U/A

**Bleackley, R. Christopher,
PhD**
Faculty of Medicine &
Dentistry, Department
of Biochemistry, U/A

Brindley, David N., PhD
Faculty of Medicine &
Dentistry, Department of
Biochemistry, U/A

Bulloch, Andrew G., PhD
Faculty of Medicine,
Department of Physiology
& Biophysics, U/C

Campenot, Robert B., PhD
Faculty of Medicine &
Dentistry, Department
of Cell Biology, U/A

Chaconas, George, PhD
Faculty of Medicine,
Department of Biochemistry
& Molecular Biology, U/C

Colmers, William F., PhD
Faculty of Medicine &
Dentistry, Department
of Pharmacology, U/A

Duff, Henry J., MD
Faculty of Medicine,
Department of Medicine, U/C

Eggermont, Jos J., PhD
Faculty of Medicine,
Department of Physiology
& Biophysics, U/C

Elliott, John F., MD, PhD
Faculty of Medicine &
Dentistry, Department
of Medical Microbiology
& Immunology, U/A

Fliegel, Larry, PhD
Faculty of Medicine &
Dentistry, Department
of Biochemistry, U/A

Frank, Cyril, MD
Faculty of Medicine,
Department of Surgery, U/C

French, Robert J., PhD
Faculty of Medicine,
Department of Physiology
& Biophysics, U/C

Fujita, Donald J., PhD
Faculty of Medicine,
Department of Biochemistry
& Molecular Biology, U/C

Gillis, Anne M., MD
Faculty of Medicine,
Department of Medicine, U/C

Gordon, Tessa T., PhD
Faculty of Medicine &
Dentistry, Department
of Pharmacology, U/A

Gravel, Roy, PhD
Faculty of Medicine,
Department of Biochemistry
& Molecular Biology, U/C

Greer, John J., PhD
Faculty of Medicine &
Dentistry, Department
of Physiology, U/A

Holmes, Charles F., PhD
Faculty of Medicine &
Dentistry, Department
of Biochemistry, U/A

Hulliger, Manuel, PhD
Faculty of Medicine,
Department of Clinical
Neurosciences, U/C

Jirik, Frank R., MD
Faculty of Medicine,
Department of Biochemistry
& Molecular Biology, U/C

Kane, Kevin P., PhD
Faculty of Medicine &
Dentistry, Department
of Medical Microbiology
& Immunology, U/A

Kubes, Paul, PhD
Faculty of Medicine,
Department of Physiology
& Biophysics, U/C

Lees-Miller, Susan P., PhD
Faculty of Medicine,
Department of Biochemistry
& Molecular Biology, U/C

Lopaschuk, Gary D., PhD
Faculty of Medicine &
Dentistry, Department
of Pediatrics, U/A

Mains, Paul E., PhD
Faculty of Medicine,
Department of Biochemistry
& Molecular Biology, U/C

McGhee, James D., PhD
Faculty of Medicine,
Department of Biochemistry
& Molecular Biology, U/C

Melancon, Paul R., PhD
Faculty of Medicine &
Dentistry, Department
of Cell Biology, U/A

Michalak, Marek, PhD
Faculty of Medicine &
Dentistry, Department
of Biochemistry, U/A

Moqbel, Redwan, PhD
Faculty of Medicine &
Dentistry, Department
of Medicine, U/A

Ostergaard, Hanne L., PhD
Faculty of Medicine & Dentistry, Department of Medical Microbiology & Immunology, U/A

Pittman, Quentin J., PhD
Faculty of Medicine, Department of Physiology & Biophysics, U/C

Prochazka, Arthur, PhD
Faculty of Medicine & Dentistry, Department of Physiology, U/A

Rabinovitch, Alexander, MD
Faculty of Medicine & Dentistry, Department of Medicine, U/A

Reha-Krantz, Linda J., PhD
Faculty of Science, Department of Biological Sciences, U/A

Remmers, John E., MD
Faculty of Medicine, Department of Medicine, U/C

Riabowol, Karl T., PhD
Faculty of Medicine, Department of Biochemistry & Molecular Biology, U/C

Santamaria, Pere, PhD
Faculty of Medicine, Department of Microbiology & Infectious Diseases, U/C

Schnetkamp, Paul P., PhD
Faculty of Medicine, Department of Physiology & Biophysics, U/C

Schryvers, Anthony B., MD, PhD
Faculty of Medicine, Department of Microbiology & Infectious Diseases, U/C

Schultz, Michael C., PhD
Faculty of Medicine & Dentistry, Department of Biochemistry, U/A

Schurch, F. Samuel, PhD
Faculty of Medicine, Department of Physiology & Biophysics, U/C

Sharkey, Keith A., PhD
Faculty of Medicine, Department of Physiology & Biophysics, U/C

Stone, James C., PhD
Faculty of Medicine & Dentistry, Department of Biochemistry, U/A

Sutherland, Robert J., PhD
Faculty of Arts & Science, Department of Psychology & Neuroscience, U/L

Syed, Naweed I., PhD
Faculty of Medicine, Department of Cell Biology & Anatomy, U/C

Taylor, Diane E., PhD
Faculty of Medicine & Dentistry, Department of Medical Microbiology & Immunology, U/A

ter Keurs, Henk E., MD, PhD
Faculty of Medicine, Department of Medicine, U/C

Turner, Raymond W., PhD
Faculty of Medicine, Department of Cell Biology & Anatomy, U/C

Tyberg, John V., MD, PhD
Faculty of Medicine, Department of Medicine, U/C

Vance, Dennis E., PhD
Faculty of Medicine & Dentistry, Department of Biochemistry, U/A

Videman, Tapio K., MD, PhD
Faculty of Rehabilitation Medicine, U/A

Vogel, Hans J., PhD
Faculty of Science, Department of Biological Sciences, U/C

Wallace, John L., PhD
Faculty of Medicine, Department of Pharmacology & Therapeutics, U/C

Walsh, Michael P., PhD
Faculty of Medicine, Department of Biochemistry & Molecular Biology, U/C

Weiss, Samuel, PhD
Faculty of Medicine, Department of Cell Biology & Anatomy, U/C

Wong, Norman C. W., MD
Faculty of Medicine, Department of Medicine, U/C

Yoon, Ji-Won, PhD
Faculty of Medicine, Department of Microbiology & Infectious Diseases, U/C

Young, James D., PhD
Faculty of Medicine & Dentistry, Department of Physiology, U/A

Trainee Awards

University of Alberta

Heritage Youth Researcher Summer Program (HYRS)
(as at Summer 2003)

Ao, Peter
Archibald, Heather
Bach, Philip
Brewster, Daniel
Bye, Matthew
Chevalier, James
Freund, Paul
Hong, Krystle
Jayaraman, Prakash
Kalogirou, Nicholas
Kapoor, Arvin
Kutryk, Laura-Anne
Ladhani, Naeem
Morrow, Michelle
Preuss, Christa
Pullukatt, Jasmine
Sinclair, Erin
Sperber, Danial

Summer Students
(as at Summer 2003)

Ailon, Jonathan
Andrews, Christopher W.
Au, Jennifer Pui-Lam
Au, Karolyn H.
Bao, Brian A.
Barr, Cameron
Bathini, Varunkumar
Bradley, Jeffrey A.
Brown, Nathan J.D.
Carle, Michelle V.
Cavilla, Benjamin
Chan, Anita
Chan, Gregory K.
Cherney, Anton L.
Cheung, Michael J.
Chibuk, Thea K.
Chowdhury, Farah
Chung, John
Cruz Pereira, Oscar O.
DiMarzo, Laura
Erickson, Timothy P.
Faber, Catherine J.
Fairbridge, Nicholas
Fairey, Adrian S.
Ference, Claire A.
Gee, Christopher B.
Ghahary, Ahmad
Gragasin, Ferrante S.
Graham, Lee G.
Hamilton, Meredith
Hargrove, Andrea
Hawley, Julia V.
Hoang, Viet N.
Hodges, Jennifer
Hrimiuc, Ramona
Huang, Sarah
Janmohamed, Jamil
Jaschke, Paul R.
Jensen, Eva
Johnson, Erik P.
Kalke, Robyn J.
Kam, Karen J.
Kessler, Katherine E.
Keuling, Angela
Khanna, Suneil
Korus, Lisa J.
Kwon, Elena
Labedz, Katarzyna
Laginha, Kimberley
Lai, Sarah
Leung, Hugo
Leung, Kelvin C.W.
Li, Yang
Macyk, Andrea S.
Marwaha, Seema
McCall, Michael D.
McColl, Ryan
McCrum, Marta L.
Mohabir, Nadira N.
Ng, Denise W.
Ng, Derek P.
Ng, Marcus C.
Ngo, Jennifer
O'Brien, Kristina G.
Ochs, Angela M.
O'Hara, Alyson
Olson, David C.
Pakan, Janelle M.P.
Persson, Erika
Peters, Steven
Petriw, Raissa
Plewes, Christopher
Po, Michelle D.
Poon, Benjamin
Raborn, R. Taylor
Rajabali, Naheed
Ramji, Alkarim
Rashid, Mehreen
Rattray, Darrien
Read, Daniel L.
Renzi, Constantino G.
Rizkallah, Jacques W.
Sah, Serena
Samuel, Christopher
Savitsky, Trisha
Schendel, Steven
Schienmann, Stefanie
Schuurmans, Anke M.
Seime, Andrea
Seland, Karen L.
Semeniuk, Ross C.
Seto, Gordon
Shan, Wen W.
Shulman, Yanina
Sit, Clarissa S.
Slatter, Carrie A.
Sultanian, Richard A.
Sung, Miranda
Tailleur, Chantelle T.
Tang, Karen
Topping, Chelsey R.
Tse, Arthur
Turner, Simon R.
Vicaruddin, Omair
Vig, Rattanjeet S.
Weerasinghe, Chandana P.
Wiltshire, Katie
Wong, Jason J.
Wu, Douglas C.
Yang, Jiao
Yau, Farrah M.K.
Yau, Ryan J.
Yu, Marc
Zhang, Ricky

Students
(as at March 31, 2004)

Abdel Latif, Dalia
Adamia, Sophia
Arenas, Ivan A.
Arthur, David C.
Balasubramanyan, Sridhar
Ballermann, Mark A.
Barnett, Erin
Baryshnikova, Olga
Baudet, Marie-Laure
Boudreau, Marc A.
Breitkreuz, Rhonda S.
Butt, Jody P.
Cabilio, Nora R.
Campbell, Kristin L.
Campbell, Marcia R.
Carter, Jodi M.
Charrois, Gregory J.
Cheng, Victor W.
Clugston, Robin
Cole, Laura
Cormack, Lori A.
Corvi, Maria M.
Dai, Xiao-Qing
Dawson, Lisa A.
Dennis, Diane J.
Derry, Jason M.
Dilworth, David J.
Elmoazzen, Heidi Y.
Emamaullee, Juliet A.
Eurich, Dean T.
Fagarasanu, Mircea R.
Folmes, Clifford
GermAnn, Kathy
Gilchrist, Mark
Groenendyk, Jody L.
Gunton, James E.
Harvey, Philip J.
Hegedus, Janka
Hopkins, Teresa A.
Hsi, Gloria
Hu, Jing
Jaronczyk, Katarzyna
Ji, Chengjie
Jones, Troy K. D.
Keats, Jonathan J.
Kent, Oliver A.
Lalu, Manoj
Lamoureux, Jason S.
Lau, Jason C.
Law, Lok Man (John)
Leslie, Deena
Li, Daniel M.
Lien, Vanessa V. L.
Lindhout, Darrin A.
Lines, Matthew A.
Logan, Michael R.
Lord, Sarah J.
Lu, Van B.
Lusk, C. Patrick
Ma, Brian J.
Maddigan, Sheri L.
Mallett, Aaron G.
Maxwell, Christopher A.
Maynes, Jason T.
McKenna, Sean
McManus, Kirk J.
McVea, David A.
Morris, Katherine E.
Murphy, Graham K.
Musselman, Kristin
Nguyen, Vesna C.
Ogilvie, Catherine J.
Osman, Mohammed
Pagliardini, Silvia
Perampalli Nekkar, Praveen R.
Perreault, Kathleen R.
Petriv, Oleh I.
Petrounevitch, Vitali
Rajwani, Talib
Rich, Jamie
Riedel, Michael J.
Schimanski, Lesley A.
Schley, Patricia D.
Schneider, Mary
Scholte, Andrew A.
Scott, Robert J.
Scott-Findlay, Shannon D.
Selby, Sherri L.
Sharp, Michael W.
Slepkov, Emily R.
Slugoski, Melissa D.
Sowa, Bernard
Syme, Alasdair M.
Szeto, Samuel S.
Szkotak, Artur J.
Tahlan, Kapil
Tam, Yuen Yi Chris
Teoh, Lai Tee (Melissa)
Vallance, Jeffrey
Visser, Frank
Vizeacoumar, Franco J.
Wang, Xu
Wang, Yi
Wasilenko, Shawn T.
Winship, Ian R.
Yahya, Atiyah
Zhao, Xinhua

Fellows
(as at 31 March, 2004)

Blumenschein-Almeida, Tharin
Chaulk, Steven G.
Donelan, J. Maxwell
Dufour, Jannette
Gibreel, Amera
Hayashi, Hideki
Jacobs, Rene
Jie, Ding
Li, Daniel

Luo, Nan
Meyer, Steven
Morabito, Dominique
Nanji, Sulaiman
Noga, Anna A.
Rainey, Jan
Silver, Elizabeth T.
Sipione, Simonetta
Solomon, Dmitry
Spoor, Martinus
Sprules, Tara
Steenbergen, Hendrikje
Stevens, Jonathan
Uddin, Md. Jashim
Ulanova, Marina
Wallin, Lars

University of Calgary

Heritage Youth Researcher Summer Program (HYRS)
(as at Summer 2003)

Archer, Lori Anne
Burnside, Neil
Cokar, Marya
Davies, Gwynivere
Engbers, Jordan
Evans, Christopher
Han, Jinglan
Jorgensen, Amber
King, Christa
Lampard, Geoffrey
Lee, Lawrence
Leung, Ann
Lovstrom, Lindsay
Polk, Matthew
Robertson, Corynn
Schoon, Jeffrey
Stewart, Ory
Vu, Wendy
Wu, Nathanael
Zalasky, Diana

Summer Students
(as at Summer 2003)

Bandaranayake, Hashini
Barkhurst, Judson J.
Chauhan, Nitin
Chu, Catherine Sharleen
Czechowsky, Diana K.
Davies, Alastair H.
Deis, Nathan P.
Demcoe, Alistair
Dhaliwal, Perry S.
Duncalf, Karen A.
Durand, Jeff A.J.
Flatt, Christine
Gifford, Jessica
Keeping, Andrew J.
Kurji, Alykhan
Lee, Lawrence C.H.
Leung, Alexander A
Liu, Cecil S. C.
Liu, Richard
Liu, Wei-Qiao
Liu, Yang
Lui, Clementine
MacAulay, Laura M.
Maherali, Nimet A.
Melton, Kim S.
Miles, Lindsay
Morales, Hilda
Mitchell, Ryan T.
Neitzel, Andrew S.
Ng, Jonathan
Nguyen, Leonard
Onysyk, Amy
Peters, Gerardus
Poon, Julius
Poplawski, Stephen R.
Premji, Shafeena
Price, Feodor D.
Raugust, Jordan D.
Sandhu, Naminder K.
Sandhu, Simran K.
Schneider MacRae, M. L. Nicole
Shamrakov, Leanne G.
Slabu, Dan
Son, William
Soo, Isaac
Souster, Matthew
Sultan, Rima
Sun, Julia
Templeton, George W.
Tse, Janet L.
Tyson, Nerissa
van der Merwe, Jacques
Varshney, Nishi
Wang, Dianna
Yong, Sharon
Yow, Desiree
Zwicker, Jennifer

Students
(as at March 31, 2004)

Alain, Tommy
Amankwah, Ernest K.
Antony, Joseph
Ash, Walter L.
Berardi, Philip
Block, Wesley D.
Brooks, Brian L.
Brown, Craig E.
Bruehlmann, Sabina B.
Brust, Tyson B.
Buresi, Michelle C.
Chen, Tim T.
Clark, Andrea
Diskin, Katherine M.
Dobson, C. Melissa
Doering, Clinton J.
Dubois, Tina
Ellwood, Ann-Louise E.
Enarson, Paul
Fedwick, Jason P.
Feng, Xiaolan
Fogg, Darin K.
Ford-Hutchinson, Alice F.
Gagnon, Alexis
Gauthier, Laura R.
Goodarzi, Aaron A.
Grant, John A.
Gregg, Christopher T.
Grossman, Jennifer K.
Harris, Ashley D.
Heit, Bryan
Hicks, Matthew
Hocking, Jennifer C.
Jarvis, Scott E.
Jiang, Dawei
Johnston, Angela L.
Kaur, Jaswinder
Keats, Melanie
Kerfoot, Steven M.
Khosravani, Houman
Kinjo, Tashi
Klausen, Christian
Klimowicz, Alexander C.
Krewulak, Karla D.
LaMothe, Jeremy M.
Larsen, Peter
Long, Elizabeth M.
Malott, Rebecca J.
Mansley, Chrystal L.
McDonald, David S.
Mendez, Israel I.
Mintz, Alisa R.
Moody, Jennifer L.
Moorhouse Herx, Leonie
Mutch, Cathlin M.
Nasser, Yasmin
Nicholls, Christopher D.
Oloo, Eliud
O'Sullivan, Colleen M.
Ottenbreit, Nicole D.
Papish, Andriyka
Parvez, Kashif
Peacock, Robert S.
Pencer, Alissa H.
Quarrie, Jason K.
Reid, Alexandra J.
Rice, Tiffany K.
Rose, Robert A.
Russell, Michael W.
Salina, Davide
Scarff, Carrie J.
Schneider, Prism
Serra Devecchi, Pablo
Shiraishi, Mitsuya
Sun, Hong-Shuo
Swanson, Magdalena I.
Swayne, Leigh Anne
Szule, Joseph A.
Tapper, Janet E.
Tourand, Yvonne
Van Sickle, Marja D.
Walker, Jennifer D.
Webber, Christine A.
Woltjen, Knut
Xiao, Bailong
Yamniuk, Aaron P.
Yoo, Jae Kwang
Yoo, Seunghwa S.
Zec, Michelle L.

Fellows
(as at 31 March, 2004)

Ainslie, Philip N.
Altier, Christophe
Ambrose, Emma
Beck, Cynthia A.
Benson, Brian W.
Chilton, E. Lisa
Cooke, Christy-Lynn M.
Coutts, Shelagh B.
Georgakopoulos, Dimitrios (Jim)
Giuliani, Fabrizio
Han, Bingye
Houle, Steeve
Howarth, Andrew G.
Hwang, John M.
Ide, Kojiro
Ishida, Hiroaki
Jing, Weiguo
Kennedy, Christine
Li, Leping
Luchman, Hema A.
Maruyama, Yoshiaki
McLaren, Lindsay
Myers, Robert P.
Narang, Monica
Natale, David
Sandercock, Linda E.
Simon, Jessica E.
Todoruk, Tiona R.
Toth, Cory C.
van Marle, Guido
Virani, Shainoor N.
Wu, Caren M.
zur Nieden, Nicole I.

University of Lethbridge

Heritage Youth Researcher Summer Program (HYRS)
(as at Summer 2003)

Auger, Meagan
Liu, Lily
Travis, Scott
Waldner, Jeffrey
Zahir, Sharmeen

Summer Students
(as at Summer 2003)

Baker, Michael
Besplug, Jill
Greidanus, Carlynne
Kamitakahara, Holly
MacDonald, Erin
Piecharka, Dionne
Reinhart, Christine
Slovack, Mark

Students
(as at March 31, 2004)

Field, Evelyn F.
Gibb, Robbin L.
Gonzalez, Claudia L.
Monfils, Marie-Helene
Sorensen, Patricia L.
Williams, Preston T.

Fellows
(as at 31 March, 2004)

Hamilton, Derek
Sherren, Nicole
Tata, Matthew

AHFMR Out-of-Province Postdoctoral Fellows and Students

Armstrong, Carol
Salk Institute

Baldwin, Troy A.
University of Minnesota

Beedle, Aaron M.
University of Iowa

Bisgrove, Dwayne A.
J.David Gladstone Institutes

Bobey, Nicola A.
Stanford University

Brauer, Carmen
Harvard School of Public Health

Butcher, Ken S.
University of Melbourne

Cunningham, Jane A.
World Health Organization, Switzerland

Ford, Christopher P.
Oregon Health Sciences University

Langevin, Marilyn J.
University of Sydney

Lau, Stephen Y.
University of British Columbia

Ma, David W. L.
Texas A&M Research Foundation

Pozniak, Christine D.
University of California, San Francisco

Sillitoe, Roy V.
University of Oxford

Stotz, Stephanie C.
Children's Hospital Boston

Thorneloe, Kevin S.
University of Vermont

Woo, Newton H.
National Institute of Child Health/Human Development

Management Discussion and Analysis

The following comments should be read in conjunction with the financial statements included in this report which have been prepared in accordance with generally accepted accounting principles in Canada. The Alberta Heritage Foundation for Medical Research ("the Foundation") operates in accordance with the Alberta Heritage Foundation for Medical Research Act. In support of its mission, the Foundation expends its financial resources in support of health research and the application of health research. This is done primarily through grants, awards and special programs.

Endowment Fund Performance

The Foundation draws its financial resources from the Alberta Heritage Foundation for Medical Research Endowment Fund ("the Endowment") and other specific funding agreements. Alberta Revenue, through its investment operations group, Alberta Investment Management is responsible for investing the Endowment Fund and in accordance with the Financial Administration Act, utilizes the prudent person rule. The Fund is invested subject to the Statement of Investment Policy established by the Investment Operations Committee. The Investment objective is to exceed the return on the fund's policy benchmark over a four-year period and to target a 5.5% annual real (after inflation) rate of return. At March 31, 2004, the one year return was 24.0% (benchmark 23.3%) and the four year return was 0.0% (benchmark -0.3%).

Revenue

The Foundation drew $50 million from its endowment, which was valued at $826 million at March 31, 2004. This represents 6.9% of the opening balance of the endowment ($726 million at April 1, 2003). The generally accepted guideline for endowment expenditures is 5% or less over the long term. The opening value of the endowment was a result of the negative returns from the endowment investments and the markets in general in 2002 and 2003. The endowment had previously reached a value of $1.2 billion which would have supported a draw of $50 million under a 5% guideline. The Foundation has taken steps to reduce expenditures over the long term to an annual level that will be consistent with current best practices and its goal of endowment sustainability.

The Foundation also administers programs supported by revenue from the Health Research Collaboration with Alberta Health and Wellness. Funding is $4.8 million per year under the current 5 year agreement, but revenue is recognized only as expenditures under the program are made - $4.6 million in 2004. These funds support specific granting programs, the Health Technology Assessment activities, specific activities under the Applied Health Research Programs, and administration costs for these elements.

Under the terms of some Technology Commercialization agreements, funding provided to recipients is repayable based on future revenues or specific events. In 2004, $195,000 was repaid under the terms of 16 agreements.

Expenses

The Foundation expended $45.6 million in grants and awards, a significant drop from the prior year ($52.1 million). Over 68% of these expenses were to support multi-year awards to independent researchers under

Continued, page 24...

Personnel awards. The total number of Personnel awards remained relatively constant at between 235 and 240. Reductions were made to various Personnel award elements including the contribution to indirect costs and restriction to the size of the establishment grants. Other significant reductions were made to other categories of awards. The significant increase in Applied Health Research related to expenditures under the Health Research Collaboration.

Program delivery expenditures of $2.5 million increased for Health Research Collaboration related expenses but were held relatively constant for other programs. Operations expenses were reduced overall primarily in the area of peer-review with increased use of teleconferencing for meetings.

Outlook

Management anticipates that Alberta Revenue projections for long term rates of return will remain in the order of 5.5% real, and that transfers from the endowment should be targeted at 4.5% to 5% of the three year average value of the Endowment. The Foundation will continue to seek alternative funding to support programs aligned with its mission such that the impact of the Foundation investment in health research is maximized for the benefit of Alberta while being fiscally responsible with Endowment resources.

Report of Management

The consolidated financial statements* of the Alberta Heritage Foundation for Medical Research (the Foundation) are the responsibility of management and have been approved by the Board of Trustees. These financial statements have been prepared by management in accordance with Canadian generally accepted accounting principles, and include disclosures otherwise require by laws, regulations and agreements to which the Foundation is subject. These financial statements also include amounts that are based on estimates and judgments, which reflect currently available information. The Foundation has developed and maintains accounting procedures and related systems of internal controls that are designed to provide reasonable assurance that its assets are safeguarded and that its financial records are reliable.

In accordance with the Alberta Heritage Foundation for Medical Research Act, the Auditor General of Alberta is appointed as the external auditor and the Auditor's Report is presented herein.

The Board of Trustees has appointed a Finance Committee whose duties include meeting with management and external auditors periodically to review any significant accounting, internal control and auditing matters. They also review and recommend the annual financial statements to the Board of Trustees.

As at March 31, 2004:

Matthew W. Spence, MD, PhD
President and CEO

Linda Humphreys, CMA
VP of Corporate Affairs and Commercialization

*Consolidated Financial Statements

Excerpts from the audited financial statements are included in this report. For a complete copy of the consolidated financial statements, please contact the Foundation.

Consolidated Statement of Financial Position

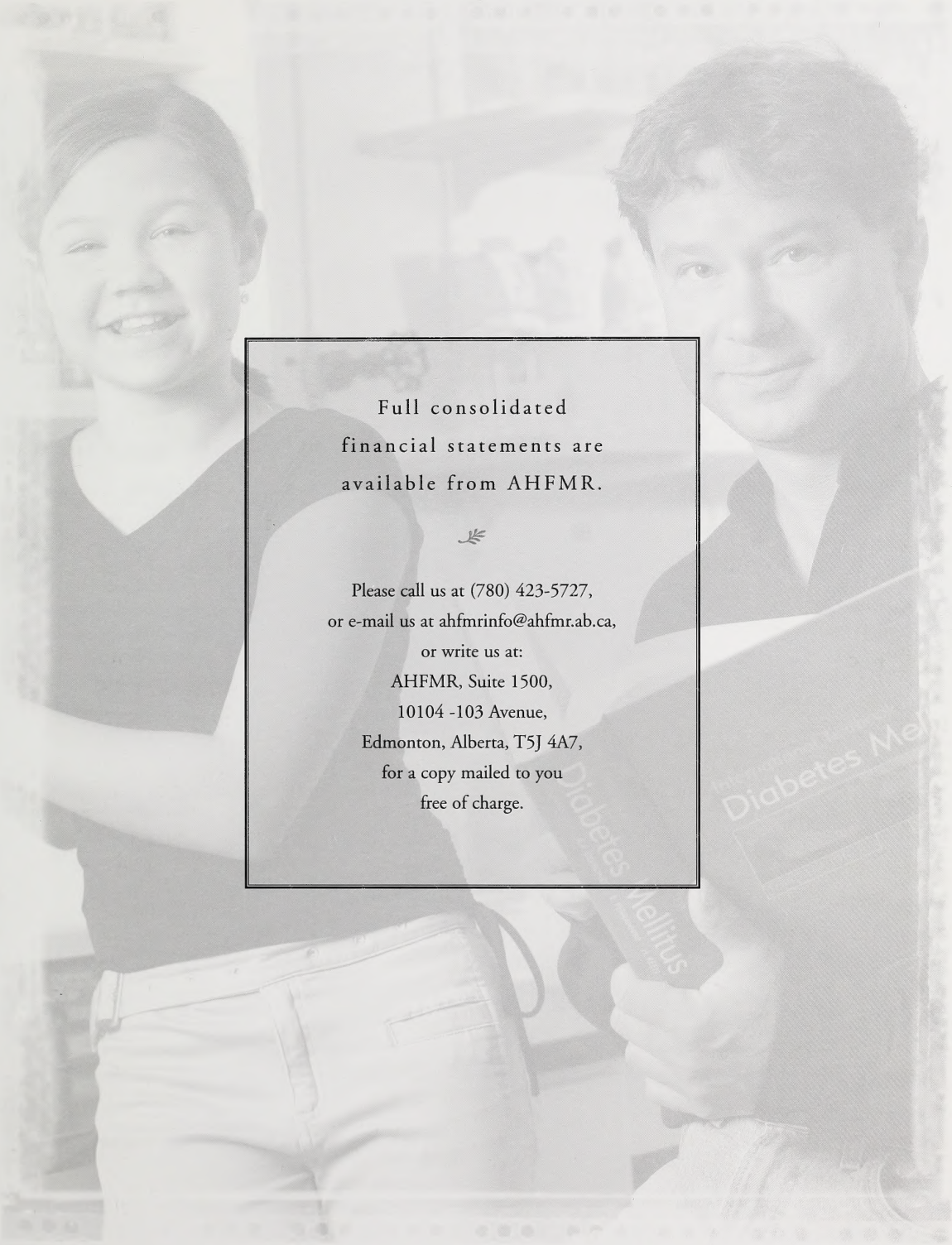
For the year ended March 31, 2004 (thousands of dollars)

	2004	2003
		(restated)
Assets		
Current		
Cash	$ 8,531	$ 5,753
Accounts receivable	94	89
Advances and prepaid expense	248	91
	8,873	5,933
Long Term		
Property, plant and equipment	525	765
Total Assets	$ 9,398	$ 6,698
Liabilities and Net Assets		
Current		
Accounts payable and accrued liabilities	$ 2,269	$ 2,269
Deferred contributions	7,738	7,577
	10,007	9,846
Long Term		
Accrued retirement allowance	470	401
Accrued benefit liability	131	271
	601	672
Total Liabilities	10,608	10,518
Net Liabilities	**(1,210)**	**(3,820)**
	$ 9,398	**$ 6,698**

Consolidated Statement of Operations

For the year ended March 31, 2004 (thousands of dollars)

	2004	2003
		(restated)
Revenues		
Transfers from Endowment Fund	$ 50,000	$ 51,000
Health Research Collaboration	4,639	2,877
Donations	2	-
Interest	302	308
Recoveries from Technology Commercialization	195	208
	55,138	54,393
Expenses		
Grants and Awards		
Personnel	31,364	34,667
Training	6,975	7,343
Technology Commercialization	1,162	1,138
Applied Health Research	2,634	1,646
Other	3,441	7,272
	45,576	52,066
Program Delivery		
HYRS program	126	124
Technology Commercialization	123	128
Health Technology Assessment	777	682
Applied Health Research Programs	1,474	1,307
	2,500	2,241
Operations		
Program planning	222	197
Peer review	960	1,109
Communication and education	689	725
Impact analysis	196	190
	2,067	2,221
Administration		
Corporate Affairs	1,309	1,349
Governance and Planning	796	729
Amortization of property, plant and equipment	280	281
	2,385	2,359
	52,528	58,887
Excess (deficiency) of revenues over expenses	**$ 2,610**	**$ (4,494)**



Full consolidated
financial statements are
available from AHFMR.

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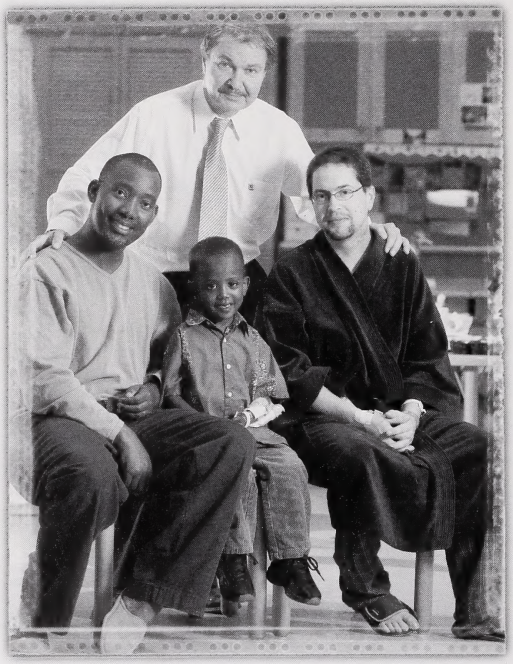
It was an offer Dr. Ivan Rebeyka couldn't refuse. In 1996, the renowned pediatric heart surgeon left Toronto and became head of Pediatric Cardiovascular Surgery at the University of Alberta Hospital. Since then he has been transforming the lives of patients across Western Canada. People like Eric and Edgar, who both had heart transplants less than two weeks before this photo was taken. While patients and their families (including Eric's father who is in the photo) know Dr. Rebeyka as a surgeon, he is also a researcher. Dr. Rebeyka received an AHFMR Independent Establishment Grant to set up his lab in Alberta, and has pioneered a number of innovations that address the problems faced by newborn babies with critical congenital heart disease. "There are about 35 things that can go wrong with a baby's heart in terms of a congenital malformation," says Dr. Rebeyka. "None of those 35 abnormalities is treated the same way now as it was ten years ago. I would be hard pressed to find anything in our current treatments that we don't do better now than we did ten years ago and the advances are due to research." AHFMR has played a key role in attracting top people like Dr. Rebeyka to Alberta, supporting cardiac research, and establishing the University of Alberta and Stollery Children's Hospital as one of Canada's top centres for cardiac care. ■



AHFMR Mission

We support a community of researchers who generate knowledge whose application improves the health and quality of life of Albertans and people throughout the world. Our long-term commitment is to fund health research based on international standards of excellence and carried out by new and established investigators and researchers in training.